Project Report: To-Do List Application

Introduction:

The To-Do List Application is a simple yet effective tool designed to help users manage their tasks efficiently. This project utilizes HTML, CSS, and JavaScript to create a user-friendly interface that allows users to add, edit, and delete tasks. The application aims to enhance productivity by providing a clear overview of tasks that need to be completed.

Objectives:

- To create a responsive and interactive user interface for task management.
- To implement features for adding, editing, and deleting tasks.
- To store tasks in the browser's local storage for persistence.
- To enhance user experience through intuitive design and functionality.

Technologies Used:

- **HTML:** For structuring the application and creating the layout.
- **CSS:** For styling the application and making it visually appealing.
- **JavaScript:** For implementing the functionality of the application, including task management and local storage.

Features:

1. Add Task: Users can input a new task and add it to the list.
2. Edit Task: Users can modify existing tasks.

3. Delete Task: Users can remove tasks from the list.
4. Task Persistence: Tasks are saved in local storage, allowing users to retrieve them even after refreshing the page.
5. Responsive Design: The application is designed to work on various devices, including desktops, tablets, and smartphones.

Implementation:

1. HTML Structure

The HTML file contains the basic structure of the application, including input fields for adding tasks and a list to display them.

2. CSS Styling

The CSS file styles the application, ensuring it is visually appealing and user-friendly.

3. JavaScript Functionality

The JavaScript file implements the core functionality of the application, including adding, editing, and deleting tasks.

Conclusion:

The To-Do List Application successfully demonstrates the use of HTML, CSS, and JavaScript to create a functional and user-friendly task management tool. The application allows users to efficiently manage their tasks with features for adding, editing, and deleting tasks, while also

ensuring that tasks are saved for future reference. This project serves as a foundation for further enhancements, such as adding due dates, prioritization, and user authentication.

Future Work:

- Implementing user authentication to allow multiple users to manage their tasks.
- Adding features for task prioritization and due dates.
- Enhancing the user interface with more advanced CSS frameworks or libraries.

This project report outlines the development and functionality of the To-Do List Application, showcasing the integration of web technologies to solve a common problem in task management.